

St. Jude School, Wichita, KS
December 8, 2010

Proposal for

E-RATE DEPLOYED UBIQUITOUSLY (EDU)
2011 PILOT PROGRAM

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I. EDU2011 Funding Request Summary

St Jude is a private K-8 elementary school serving a diverse population in Wichita, KS that includes students of all income levels, ethnic backgrounds and ability levels.

St Jude School will improve the educational opportunities for students by making mobile computing and wireless broadband access available to the 13 percent of school families that do not have computers and Internet access in their homes.

If awarded EDU2011 pilot program funding in the amount of \$8,640 (annual total) for wireless data services, the St Jude community is prepared to fund the estimated equipment and filtering software costs of \$10,170 as well as anticipated annual support costs of \$1,700. Operational budget and/or donations from outside sources will fund St Jude's anticipated expenses.

II. Quick Facts: St. Jude & Catholic Diocese of Wichita, KS

Entity Name: ST JUDE CATHOLIC SCHOOL
Entity Number: 77561
Accreditation: State of Kansas
Address: 3030 N Amidon, Wichita, KS 67204
Phone: 316- 838-0800

2010 K-8 Enrollment: 214
Total Families Served: 138

AYP 2009-2010 report:
Math - Standard of Excellence
Reading - Standard of Excellence
Science- Standard of Excellence

34% students eligible for a free or reduced-price lunch under the national school lunch program

38% minority enrollment
Ethnicity breakdown:
Caucasian- 62%
Hispanic=31%
Asian = 4%
African American = 2%
Asian=2%
Native American= 1%

St Jude is one of 38 private schools in the Catholic Diocese of Wichita school system.

The Catholic Diocese of Wichita school system has 11,000 students making it the ninth largest school system in the state of Kansas.

As far as we know, the Diocese of Wichita is the only diocese in the United States where every child of active parish stewards can attend Catholic grade and high school without paying tuition.

III. Program Details

In 2008, parents, students, teachers and other select members of the St Jude Community were surveyed to discover what program, resource and facility improvements could be made to advance educational effectiveness. One of the most significant findings was that 13% of parent respondents only had access to internet connectivity at work or not at all. This percentage equates to an estimated 18 St Jude families ($138 \times 13\% = 18$).

Appendix A lists all technology goals established in 2009 in response to the survey results. EDU2011 funding will specifically address one goal (highlighted in yellow) as well as benefiting several other goals. Attempting to increase the number of St. Jude Catholic School student households with high-speed internet access and appropriate computer equipment is paramount.

EDU2011 support for St Jude's off-premise connectivity will support St Jude's teaching efforts. According to an article published by the US Department of Education (<http://www2.ed.gov/about/offices/list/oeis/technology/reports/e-learning.html>) the latest research and evaluation studies demonstrate that school improvement programs that employ technology for teaching and learning yield positive results for students and teachers. Additionally, Goal 1 of the National Strategy for Technology in Education states that all students and teachers will have access to information technology in their classrooms, schools, communities and homes.

St Jude's plan is simple: put equipment and mobile (i.e. cellular wireless) internet access in the hands of our educators to distribute to students that do not have computers and/or Internet access in their homes. We envision a check-out system similar to library resources.

To reduce technical compatibility issues and ensure CIPA compliance, mobile kits will be put together that include a laptop computer, filtering software, wireless USB device and laptop case. These kits will be checked out to students similar to library resource materials.

A pilot program of one mobile kit is already in place with equipment and services described in Appendix B, C and D.

Recognizing that computer and application coaching is critical for the success of any technology program; St Jude has periodically scheduled hardware and software training programs for students, teachers and parents.

Acceptable use of wireless Internet services will remain the same as on premise services. St Jude's Acceptable Use Policy (AUP) is available on the home page found at www.stjudewichita.org.

St Jude's goals and objectives, along with the EDU2011 funding program, dovetail with Connect: Kansas, which is a division of Connected Nation. Connected Nation believes that states, communities, families and individuals can realize great economic and social advantages when we accelerate broadband availability in underserved areas and increase broadband use in all areas, rural and urban, alike.

Many states have also adopted "No Child Left Offline" initiatives. These are innovative projects that bring together public and private partners to help disadvantaged children and their families join the Information Age. EDU2011 funding for St Jude's proposal would help underprivileged individuals overcome the obstacles associated with the digital divide.

IV. Evaluation

The efficiency and effectiveness of the wireless mobile access program will be reviewed and evaluated by the St Jude leadership on an annual basis.

Performance metrics:

- Survey of participating teachers, parents and students
- Standardized testing scores

V. Timetable

Phase	Description of Work	Timeframe
Pilot	Test and measure trial	12/01/10 – 06/30/11
Implementation	Execute proposal for fall 2011 class starts	07/01/11 – 08/15/11
	Evaluate program and apply improvements	Annually

VI. Budget

Phase	Description	Equipment & Software Costs	Wireless Data Service & Maintenance Costs
Pilot	Equipment & Services for one trial mobile broadband kit	\$0 - Spare	\$480/yr
Implementation	Equipment & Services for 17 mobile broadband kits	\$10,170	\$8,160/yr
	Maintenance Estimate (15% of one-time costs)	n/a	\$1,700/yr
	Total	\$10,170	\$ 10,340/yr

St Jude's EDU2011 Funding request amount - \$8,640

VII. Appendixes

A. St Jude Technology Goals

Goals	Status
Goal: Support St. Jude strategic planning committee goals with technology solutions.	In process
Goal: Attempt to increase the number of St. Jude Catholic School student households with high-speed internet access and appropriate computer equipment. This goal is based on a survey of parents indicating that 13% of respondents only had access to internet connectivity at work or not at all.	Pending
Goal: Provide basic computer skills training to members of the St. Jude Catholic School community.	In process
Goal: Strive to achieve a 1:1 computer to student ratio for grades five through eight at St. Jude Catholic School. This goal is based on student, alumni, teacher and parent survey responses placing an emphasis on the need to update technology.	Pending
Goal: Replace laptops in the science lab. This goal is based on student, alumni, teacher and parent survey responses placing an emphasis on the need to update technology.	Completed 07/09
Goal: Continue to add and enhance internet and server based educational programs. This goal is based on alumni survey question 2 and parent's survey question 2: both indicated a need for more up-to-date methods and tools.	In process
Goal: Poll the teachers on a yearly basis about technology wanted or needed that would benefit the students or support teaching.	Annual
Goal: Provide Promethean Board in computer lab. This goal is based on student, alumni, teacher and parent survey responses placing an emphasis on the need to update technology.	Completed 01/10
Goal: Replace CRT monitors in the lab with flat screens. This goal is based on student, alumni, teacher and parent survey responses placing an emphasis on the need to update technology. Additional factors: power consumption, heat and desktop space.	Completed 07/09
Goal: Hire a permanent full-time IT manager.	Pending

B. Recommended Internet Filtering Software

Educational rate of \$1.25 per month per machine



The screenshot shows the K9 Web Protection website. The header features the K9 logo (a dog's head) and the text "K9 Web Protection from Blue Coat". A badge in the top right corner states "HOMES PROTECTED 2,168,546". The navigation bar includes links for HOME, SUPPORT, CHECK SITE RATING, ABOUT K9, GET K9 NOW, SUPPORT, RESOURCES, NEWS & EVENTS, PARTNERS, and ABOUT BLUE COAT. The main content area is titled "How is K9 different?" and contains three columns of text. The left column is a sidebar with links for ABOUT K9, Overview, Internet Parenting, How is K9 different? (highlighted), Product Features, and Customer Quotes. The middle column explains that K9 filters content in real time, is not antivirus or firewall software, and is free. The right column contains three icons with text: "Download K9 today.", "Spread the word.", and "Tell a friend."

K9 filters content in real time

K9 is not antivirus, anti-spam or firewall software. K9 is a Web filter that determines where the computer user can go inside your Web browser. You use K9 in conjunction with other antivirus, anti-spam or firewall products from vendors such as Computer Associates, McAfee, Symantec, ZoneLabs, Microsoft and others.

While some product suites include Web filtering, these filters may not be as robust or detailed as Blue Coat's technology. We recommend that you use K9 instead of the Web filter you find in a product suite, unless it's based on Blue Coat's K9 technology.

K9 replaces parental control solutions from AOL, MSN and others. Most of these other solutions suffer from under-blocking or over-blocking problems, which is why Blue Coat decided to introduce a consumer product of our own. We wanted a solution for our homes that was as good as what we were delivering to our enterprise customers.

Best of all, as part of the Blue Coat Community Outreach Program, K9 Web Protection is free. And, because K9 Web Protection uses the same technology we offer our enterprise customers, we continue to improve our security features to respond to the latest threats and customer needs. Unlike static security products, our technology is continuously upgraded on your computer to fight malware in real time.

Download K9 today.

Spread the word.

Tell a friend.

C. Recommended 3G Wireless Data Service

One-time equipment charge - \$80
Unlimited data plan - \$40/mo
Month-to-month contract terms



D. Sample Laptop Configuration

Estimated price: \$550 per machine

Description	
ThinkPad X100e - 1 Year Warranty	
Processor:	AMD Athlon Neo Single-Core MV-40 (1.6GHz, 800MHz, 512KB L2)
Operating system:	Windows 7 Professional 32
Colors Available:	Midnight Black - Smooth 11.6" HD AG, AMD Athlon 1.6GHz with Low Light Enhanced Webcam
System graphics:	AMD M780G with ATI Radeon HD 3200 graphics
Total memory:	3 GB PC2-5300 DDR2 SDRAM 667MHz SODIMM Memory (2 DIMM)
Hard Drive:	160 GB Hard Disk Drive, 5400rpm
Battery:	6 cell Li-Ion Battery 2.6 Ah
Integrated WiFi wireless LAN adapters:	ThinkPad bgn Wireless
Integrated mobile broadband:	Integrated Mobile Broadband - Upgradable
Also included:	
Operating System Language:	Windows 7 Professional 32 US English
Windows XP Mode:	Microsoft Windows 7 XP Mode - English
Keyboard:	Keyboard US English
Power cord:	Country Pack North America with Line cord & 65W AC adapter
Language Pack:	Language Pack US English